DC E1000 Digital Camera
User Manual

Welcome

Downloaded from ManualsCamera.com Manuals

Copyright

Copyright 2007 by BenQ Corporation. All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system or translated into any language or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise, without the prior written permission of this company.

Disclaimer

BenQ Corporation makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranties, merchantability or fitness for any particular purpose. Further, BenQ Corporation reserves the right to revise this publication and to make changes from time to time in the contents hereof without obligation of this company to notify any person of such revision or changes.

Taking care of your camera

- The camera operating temperature is between 0 and 40 degrees Celsius. It is normal for the operating time to be shortened when the temperature is low.
- Do not use or store your camera in the environments listed below:
  – Direct sunlight
  – High and dusty places
  – Next to an air conditioner, electric heater or other heat sources
  – In a closed car that is in direct sunlight
  – Unstable locations
- If your camera becomes wet, wipe it with a dry cloth as soon as possible.
- Salt or seawater may cause severe camera damage.
- Do not use solvents, such as alcohol, to clean your camera.
- If the lens is dirty, use a lens brush or soft cloth to clean the lens. Do not touch the lens with your fingers.
- To prevent electric shock, do not attempt to disassemble or repair your camera by yourself.
- Water may cause a fire or electric shock. Therefore, store your camera in a dry place.
- Do not use your camera outdoors when it is raining or snowing.
- Do not use your camera in or near water.
- If a foreign substance or water gets in your camera, please turn the power off immediately and remove the batteries. Remove the foreign substance or water, and send it to the maintenance center.
- Transfer the data to the computer as soon as possible to avoid losing your images and / or video clips.

Disposal of Waste Electrical and Electronic Equipment by users in private households in the European Union.

This symbol on the product or on the packaging indicates that this can not be disposed of as household waste. You must dispose of your waste equipment by handing it over to the applicable take-back scheme for the recycling of electrical and electronic equipment. For more information about recycling of this equipment, please contact your city office, the shop where you purchased the equipment or your household waste disposal service. The recycling of materials will help to conserve natural resources and ensure that it is recycled in a manner that protects human health & environment.

CE Regulatory Notice

Hereby, BenQ Corp. declares under our responsibility that the product is in conformity with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating, Electromagnetic Compatibility Directives (89/336/EEC, 92/31/EEC) and Low Voltage Directive (73/23/EEC). A "Declaration of Conformity" in accordance with the above Directives has been made and is available from BenQ Corp. upon request.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment o. and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Downloaded from ManualsCamera.com Manuals

Table of Contents

1. Touring Your Camera 1
   1.1 Checking the package contents 1
   1.2 Camera components 1
      1.2.1 Front view 1
      1.2.2 Rear view 2
      1.2.3 LED indicators 2
2. Preparing Your Camera for Use 3
   2.1 Installing the batteries 3
   2.2 Charging the battery 4
   2.3 Inserting and removing an SD memory card 4
3. Using the Camera 6
   3.1 Navigator 6
   3.2 LCD monitor information (REC mode) 6
   3.3 Getting started 7
      3.3.1 Turning the power on / off 7
      3.3.2 Choosing the screen language 7
      3.3.3 Setting the date and time 7
      3.3.4 Snapshot mode 7
         3.3.4.1 Getting started with capturing images 7
      3.3.5 Using the flash 8
      3.3.6 Using the self-timer and burst 8
      3.3.7 Using the zoom function 9
      3.3.8 Focus mode 9
   3.4 Menu options 10
      3.4.1 Changing the mode 10
         3.4.1.1 Switching between REC mode and PLAY mode . 10
         3.4.1.2 Selecting the Scene mode 10
      3.4.2 Using the menus 11
         3.4.2.1 REC menu list (still image) 11
         3.4.2.2 REC menu list (movie) 12
      3.4.3 Setup menu 12
         3.4.3.1 Setup menu list 13
   3.5 Recording movie clips 14
   3.6 Recording audio clips 14

Downloaded from ManualsCamera.com Manuals

English

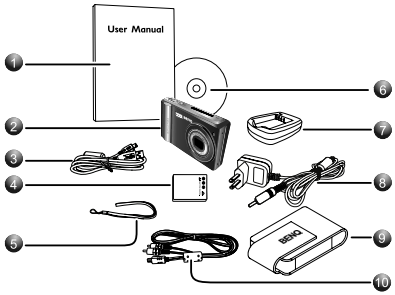
3.7 Other recording functions 15
3.7.1 Setting the quality 15
3.7.2 Setting the metering 15
3.7.3 Setting the white balance 15
3.7.4 Setting the ISO 16
3.7.5 Setting the Exposure 16
3.7.6 Setting the AEB 16
3.7.7 Setting the highlight 16
3.7.8 Setting the sharpness 16
3.7.9 Setting the photo effect 16
3.7.10 Setting the date stamp 17
3.7.11 Setting Stabilizer 17
3.7.12 Setting Face tracking 17
3.7.13 Setting Photo Frame 17
3.7.14 Setting AF lamp 17
3.7.15 Setting Av/Tv/M 17
3.8 Playback 18
3.8.1 Playing back images 18
3.8.2 Playing back movie clips 18
3.8.3 Magnifying & trimming still images 18
3.8.4 Viewing in thumbnail 18
3.8.5 Playing a slide show 19
3.8.6 Deleting a single file or all files 19
3.8.7 Deleting multiple files 19
3.8.8 Setting the DPOF for printing 20
3.8.9 Other playback functions 20
4. PC Dependent Features 21
4.1 Bundled software 21
4.2 Transferring files to your computer 21
4.2.1 Step 1: Connect the digital camera to your computer 22
4.2.2 Step 2: Download images or video clips 22
5. Troubleshooting 23
6. Specifications 25
7. Service Information 26

Downloaded from ManualsCamera.com Manuals

1 Touring Your Camera

1.1 Checking the package contents

Carefully unpack your kit box and ensure that you have the following items.

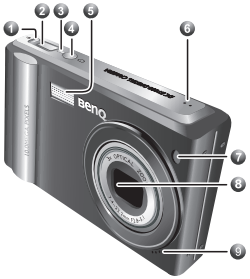


1. User Manual
2. Digital camera
3. USB cable
4. Lithium-ion battery
5. Hand strap
6. Software CD-ROM
7. Battery charger
8. AC power adapter
9. Pouch
10. AV cable

- Available accessories may vary depending on sales region.
- If any of the items are missing or appear to be damaged, contact your dealer. Save the packaging in case you need to ship your camera for service.
- All electronic accessories (such as USB, AV cable, adapter, charger, and battery) are designed to work with this BenQ Digital Camera only. Do not use them with other Digital Camera to avoid possible damage.

1.2 Camera components

1.2.1 Front view

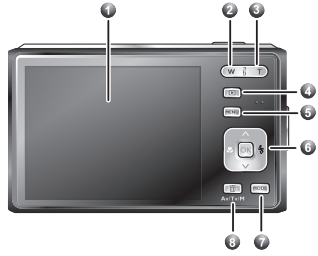


1. Stabilizer
2. Shutter button
3. Status LED indicator
4. Power button
5. Built-in flash
6. Speaker
7. Self-timer LED/AF lamp
8. Lens/Lens cover
9. Microphone

Downloaded from ManualsCamera.com Manuals

1.2.2 Rear view

1. LCD monitor
2. W
   Zoom-out or thumbnail
3. T
   Zoom-in
4. PLAY mode
5. Menu
6. Navigator -- four-way control and OK
7. MODE button
8. Delete / PASM (Av/Tv/M) mode
9. Tripod mount
10. PC (USB) / AV Out terminal
11. Battery/SD memory card cover
12. Strap eyelet



1.2.3 LED indicators

Indicator	State	Description
Status LED	No light	The digital camera is off.
	Solid green	The digital camera is ready to capture images.
	Blinking green	The flash is charging, or the digital camera is in a process.
Self-timer LED	Red	Self-timer or AF lamp is in a process.

- **It is normal for the camera to become warm during operation, because camera casing can conduct heat.**
- **The LCD display on this camera is manufactured with sophisticated technology, and more than 99.99% of the pixels on the LCD display meet standard specifications. Yet, it is possible that less than 0.01% of the pixels on the LCD display may have some light spots or show unusual colors. This is normal and does not indicate display malfunction, nor will this affect the pictures you take with the camera.**

Downloaded from ManualsCamera.com Manuals

2 Preparing Your Camera for Use

2.1 Installing the batteries

We highly recommend that you use only the specified rechargeable lithium-ion battery for your camera. Make sure that the power of the camera is off before inserting or removing the battery.

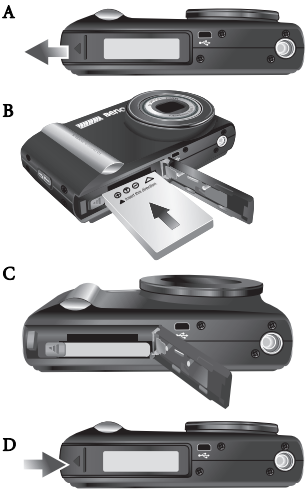
To insert the battery:

1. Open the battery/SD memory card cover **(A)**.
2. Insert the battery in the correct direction shown **(B)**.
3. Push the battery all the way down, until the battery lock lever clicks into place **(C)**.
4. Close the battery/SD memory card cover **(D)**.

To remove the battery:

1. Open the battery/SD memory card cover.
2. Release the battery lock lever.

When the battery has come out a little, gently pull it out the rest of the way.

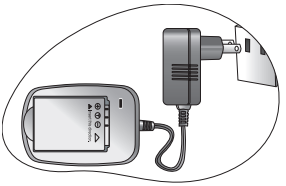


Downloaded from ManualsCamera.com Manuals

2.2 Charging the battery

The battery charge status affects the performance of the camera. To maximize the performance and life of the battery, it is recommended that you fully charge the battery using the specified charger set (charger and AC power adapter), and then fully discharge it through the normal use at least one time. Make sure that the power of the camera is off before inserting the battery.

1. Insert the battery into the charger as shown in the illustration.
2. Connect one end of the AC power adapter to the charger.
3. Connect the other end of the AC power adapter to a wall outlet.
4. When the battery is being charged, the charger LED indicator lights up in red. When the battery is fully charged, it turns into green.



The length of the charging time depends on the ambient temperature and the status of the battery.

- **The camera must be used with the specified charger set. Damage caused by the use of an incorrect charger set is not covered under the warranty. Always make sure that the camera is off before removing the battery.**
- **The battery may be warm after being charged or used. This is normal and not a malfunction.**
- **When using the camera in cold environments, keep the camera and its battery warm by holding it inside your jacket or other warm protective environment.**

2.3 Inserting and removing an SD memory card

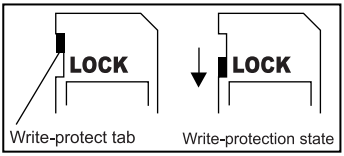
The camera is equipped with internal memory, allowing you to record video clips and capture images. You can also expand the memory capacity by using an optional SD (Secure Digital) memory card to store more files.

1. Always make sure the camera is turned off before inserting or removing a memory card.
2. Insert an SD memory card in the correct orientation as shown in the illustration.
3. Close the battery / SD memory card cover.

To remove the SD memory card, make sure the camera is turned off. Press lightly on the edge of the memory card and it will eject.

Downloaded from ManualsCamera.com Manuals

- **Be sure to format the SD memory card with this camera before the initial use.**
- **To prevent valuable data from being accidentally erased from an SD memory card, you can slide the write-protect tab (on the side of the SD memory card) to "LOCK".**
- **To save, edit, or erase data on an SD memory card, you must unlock the card.**
- **SD memory card in the following sizes are supported: 64 MB, 128 MB, 256 MB, 512 MB, 1 GB, 2GB and 4GB SDHC. The camera is compatible with SD memory cards manufactured by Panasonic, Toshiba, and Sandisk. Please contact your local dealer for purchase information.**



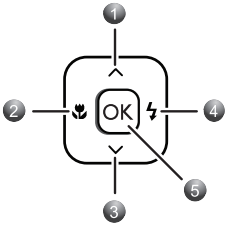
Downloaded from ManualsCamera.com Manuals

3 Using the Camera

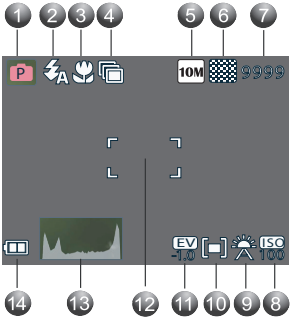
3.1 Navigator

You can use the Navigator with four-way control and one **OK** button to access numerous controls of your camera.

1. Up ▲ or Play (video playback only)
2. Focus mode or left ◀
3. Down ▼
4. Flash mode or right ▶
5. OK



3.2 LCD monitor information (REC mode)



1. Scene mode
2. Flash
3. Focus
4. Self-timer/Burst
5. Resolution
6. Quality
7. Shots remaining
8. ISO
9. White balance
10. Metering
11. EV compensation
12. Focus Area
13. Histogram
14. Battery

Downloaded from ManualsCamera.com Manuals

3.3 Getting started

3.3.1 Turning the power on / off

- Press the [⏻] button until the digital camera turns on. Or, you can press the [▶] button when the camera is off to turn on the camera.
- To turn the power off, press the [⏻] button again.

3.3.2 Choosing the screen language

1. Press **MENU**, and then press [◀] / [▶] to move to the Setup menu .
2. Press [▲] or [▼] to move to **Language**, and then press [▶] or **OK** to select the language you want.
3. Press **OK**.

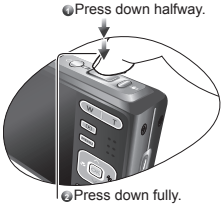
3.3.3 Setting the date and time

1. Press **MENU**, and then press [◀] / [▶] to move to the Setup menu.
2. Press [▲] or [▼] to move to **Date & Time**, and then press [▶] or **OK**.
3. Press [▲] or [▼] to select Year, Month, Day, Time, and Format fields.
   - To increase a value, press [▲].
   - To decrease a value, press [▼].
   - The time is displayed in 24 hour format.
4. Press **OK**.

3.3.4 Snapshot mode

3.3.4.1 Getting started with capturing images

1. Press the [⏻] button for more than one second to turn on the camera.
2. Compose your image in the LCD monitor under Snapshot Mode.
3. Press the shutter button down halfway (1), and then press it down fully (2).
   - Pressing the shutter button down halfway automatically focuses and adjusts the exposure.
   - The focus area frame turns green when the camera is focused and the exposure is determined.
   - When the focus or exposure is not suitable, the frame of the focus area turns red.



• To review the last captured image, press the [▶] button. Press the [▶] button to return to Snapshot mode.
• The LCD monitor darkens in strong sunlight or bright light. This is not a malfunction.
• To prevent your images from being blurred while pressing the shutter button, always hold the camera steady. This is especially important when you are shooting under low lighting conditions, under which your camera may reduce the shutter speed to ensure your images are properly exposed.

Downloaded from ManualsCamera.com Manuals

3.3.5 Using the flash

The flash is not only for taking pictures when there is insufficient light, but also when the subject is in shade or in backlight conditions. Pressing the flash button cycles your camera through the various flash modes. The flash will not activate when continuous shooting or movie recording.

1. Turn the power on, and set the camera to the REC mode.
2. Pressing the flash button changes the flash mode. Each time the flash button is pressed, the flash icon changes.
3. Press the shutter button to take a picture.

Icon	Flash mode	Description
	Auto flash	Flash fires automatically when shooting conditions require extra lighting.
	Red-eye reduction	Flash strobes to let the subject eyes adjust to the flash, then fires again to take the actual image. Your camera will detect the subject brightness and use the flash only when required.
	Force on	Flash fires every time you take a photo, regardless of lighting conditions.
	Slow sync	Flash fires with a slow shutter speed.
	Force off	The flash never fires even in dark situation.

3.3.6 Using the self-timer and burst

Use the self-timer to set a delay from the time the shutter button is pressed to the time the image is shot. Use the burst to record continuous still images shooting.

1. Turn the power on.
2. Press the **MENU** button.
3. Press [▲] / [▼] to select Drive mode and then press [▶] or the **OK** button to launch the submenu.
4. Press [▲] / [▼] to select an option and press the **OK** button to apply the setting. Press the **MENU** button to close the menu and the shutter button to take pictures.

Icon	Drive mode	Description
-	Off	Record a single image.
	2 sec.	The shutter release will be delayed for 2 seconds.
	10 sec.	The shutter release will be delayed for 10 seconds.
	Double	Press and release the shutter. This will record the first image after 10 seconds, and then record the second one after another 2 seconds.

Downloaded from ManualsCamera.com Manuals

Icon	Drive mode	Description
	Burst	Keep pressing the shutter button fully to take a continuous shooting. Release the shutter button to stop shooting. Note that the LCD is temporarily turned off during shooting to save power.
	Timer Burst	Press and release the shutter. After a 2-second countdown, the camera will start taking a continuous shooting. This will stop when you press and release the shutter again, or until the memory card is full.
	Speedy Burst	Press and release the shutter. When the photo size you selected is 2M or VGA, Speedy Burst will take a continuous shooting at the speed of 12 shots per second. This will stop when you press and release the shutter again, or until the memory card is full.

3.3.7 Using the zoom function

Your camera has a combination of optical and digital zoom functions that allows you to zoom in on far away subjects or zoom out for a wide angle shot.

The optical zoom is achieved by mechanically adjusting the lens of the camera. The digital zoom enlarges or shrinks the image using a software process.

1. Make the zoom setting, and point the camera at the subject.
2. Press the zoom button (**W**/**T**) to compose the image.
   [W]: zoom out for a wide-angle shot.
   [T]: zoom in for a telephoto shot.
   - When the zoom button is pressed, the zoom bar appears on the LCD monitor.
   - When the optical zoom factor is at maximum, zooming stops temporarily. Press the [T] again, the camera switches to the digital zoom automatically and zooming continues.
   - You can use optical zoom in movie recording.
3. Press the shutter button to take a picture.

3.3.8 Focus mode

Icon	Flash mode	Description
	Auto focus	Adjusts focus automatically.
	Macro	Used when capturing images at close distance.
	Pan Focus	Used when you want to capture everything (for example, fast-moving objects or subjects in the dark) from near to far in an acceptable focus.
	Infinity	Used when capturing images at long distance.
	Super Macro	Adds the digital zoom in addition to the optical zoom to provide better macro range without sacrificing image quality.

Downloaded from ManualsCamera.com Manuals

3.4 Menu options

3.4.1 Changing the mode

You can record images and voices in the REC mode. And using the PLAY mode to replay, delete, or edit images on the LCD monitor.

3.4.1.1 Switching between REC mode and PLAY mode

- In REC mode, press the PLAY button to switch to the PLAY mode.
- In PLAY mode, press the PLAY or the MODE button to switch to the REC mode.

3.4.1.2 Selecting the Scene mode

1. Set the camera to the REC mode.
2. Press the **MODE** button to show the scene mode palette.
3. Use the four-way control to select a desired mode and press **OK** to confirm the setting.

Icon	Mode	Description
	Program	The camera makes settings suitable for the shooting conditions.
	Movie	For recording movie clips.
	Shake-Free	Reduces blur caused by camera vibration. A higher shutter speed is used in this mode, and the photo might become less brighter.
	Landscape	Used for the wide scenic views.
	Sports	Captures a fast-moving subject.
	Backlight	Shoots the image of backlight object by changing metering.
	Night Scene	Shoots the subject while keeping the background night scenery.
	Night Scene Portrait	Keeps both the subject and the night scene clearly.
	Snow	Used for the beach or snow scenes.
	Fireworks	Uses a slow shutter speed to take fireworks exploding.
	Building	Enhances the edges of the subject.
	Soft Flowing Water	Captures the moments of motion blur on water.
ISO HI	High ISO Portrait	Makes people stand out with the background out-of-focus even in a dark environment. In this mode, a higher ISO value (maximum 1600) is used.

Downloaded from ManualsCamera.com Manuals

Icon	Mode	Description
	Food	Higher saturation makes food more appetizing.
	Candle Light	Makes a picture look warm, and thus captures the mood under candle light source. Flash is always off.
	Party	Captures the party atmosphere usually under indoor light source.
	Text	Enhances the black & white contrast.
	Kids	Takes a still image to capture moving kids.
	Sunset	Enhances the red hue for recording sunset images.
	Soft Skin	Enhances the tone of skin so that the facial skin appears smooth.
	Sketch	Uses a hand drawing effect to emphasize the outlines in the photo.
	Oil Painting	Simulates oil painting brushes to make an oil painting effect.
	Photo Collage	Lets you take 2 or 4 shots, and then combines them into one photo as a photo collage.
	Voice REC	For recording audio.

• The higher the ISO value, the grainer you might see in the image.

3.4.2 Using the menus

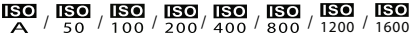
When a menu is displayed, the four-way control and the **OK** button are used to make the desired settings.

1. Turn the power on, and set the camera to the REC mode.
2. Press the **MENU** and then press the [◀] / [▶] to select the REC menu.
3. Press [▲] / [▼] to select a menu item and then press [▶] or the **OK** button to launch the submenu.
4. Press [▲] / [▼] to select an option and press the **OK** button to apply the setting.
5. Press the **MENU** button to close the menu.

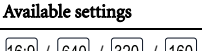
3.4.2.1 REC menu list (still image)

Menu item	Available settings
Resolution	10M / 3:2 / 16:9 / 8M / 5M / 2M / VGA
Quality	/ /

Downloaded from ManualsCamera.com Manuals

Menu item	Available settings
Metering	
White Balance	
ISO	
Exposure	-2.0 EV ~ +2.0 EV
Drive Mode	Off /
AEB	Off / On
Highlight	Off /
Sharpness	
Effect	Normal/ B&W / Sepia / Negative / Red / Green / Blue
Date Stamp	Off / Date / Date & Time
Face Tracking	Off / On
Photo Frame	Off / 1-10 frames
AF Lamp	Off / On
Digital Zoom	Off / Wise Zoom / Digital Zoom

3.4.2.2 REC menu list (movie)

Menu item	Available settings
Movie Size	
Metering	
White Balance	
Digital Zoom	Off / On

3.4.3 Setup menu

1. Turn the power on, and set the camera to the REC or PLAY mode.
2. Press the **MENU**, and then press the [◀] / [▶] to select the Setup menu .
3. Press [▲] / [▼] to select a menu item and then press [▶] or the OK button to launch the submenu.
4. Press [▲] / [▼] to select an option and press the OK button to apply the setting.
5. Press the **MENU** button to close the menu.

Downloaded from ManualsCamera.com Manuals

3.4.3.1 Setup menu list

Menu item	Functions	
Sounds	[Shutter]	Sets the shutter sound on and off.
	[Start-up]	Sets a type of the start-up sound.
	[Beep]	Sets the operation sound on and off.
	[Volume]	Adjusts the volume of the shutter sound, start-up sound, beep and playback sound.
Auto Review	[Off]	The captured image will not automatically display after shooting.
	[1 sec.]	The captured image will display for 1 seconds after shooting.
	[3 sec.]	The captured image will display for 3 seconds after shooting.
	[5 sec.]	The captured image will display for 5 seconds after shooting.
LCD Save	[Off]	Always turns on the LCD backlight when the camera is on.
	[5 sec.]	Turns off the LCD backlight if the camera is idle for more than 5 seconds.
	[10 sec.]	Turns off the LCD backlight if the camera is idle for more than 10 seconds.
	[20 sec.]	Turns off the LCD backlight if the camera is idle for more than 20 seconds.
Power Save	[1 min.]	For power consumption, the camera is turned off automatically for a period of time.
	[3 min.]	
	[5 min.]	
Date & Time	Sets the date & time.	
Language	Select a language for display menus and other information.	
File No.	Use this function if the camera experiences a "Folder cannot be created" error or if you want to restart numbering, for example, after erasing all files.	
	[Series]	Store the latest used file number no matter deleting files or inserting a new memory card.
	[Reset]	Reset file numbering each time the memory card is changed. Resetting the file number is useful for avoiding the file name duplication when images are downloaded to a computer.
TV Out	You can review images on a television with a supplied AV cable. ☞ TV Out should be set to either NTSC or PAL depending on your region. For details about which system should be used, check with your local authorities.	

Downloaded from ManualsCamera.com Manuals

Menu item	Functions	
USB	[Computer]	Sets the USB mode to connect the camera with a printer or computer.
	[Printer]	
Start-up Image	Sets a recorded image as the start-up image.	
Format	To erase all data stored in the memory card if you are using a card, or all data stored in the internal memory if there is no card inserted. A “Busy...please wait” message displays and the memory card is starting format. A “Completed” message displays when finish formatting. All data will be deleted including protected files. Be sure to download important files to your computer before formatting.	
Reset All	Resets the entire menu and button operation settings to initial default. The following settings do not change after Reset All: Date & Time setting Language setting TV out setting Battery Type	

3.5 Recording movie clips

1. Turn the power on, and set the camera to the Movie mode.
2. Compose the subject on the monitor.
   - Aim the focus area to the subject that you want to take.
   - The LCD monitor displays the available recording time
3. Start recording.
   - Press the shutter button to start recording.
   - Using the zoom button to adjust the image size.
   - The White Balance is set and locked to the settings of the first frame.

☞ **• Sound cannot be recorded while pressing the zoom button.**
• You can use optical zoom in movie recording.

4. Finish recording.
   - Press the shutter again to end recording.
   - The camera will stop recording automatically when the memory capacity has been reached.

3.6 Recording audio clips

1. Turn the power on, and set the camera to the Voice REC mode.
2. Press the shutter button to start recording.
   - The voices are recorded from the microphone of the camera. Be careful to avoid touching the microphone while recording.
3. Press the shutter button again to end recording.
   - The camera will stop recording automatically when the memory capacity has been reached.

Downloaded from ManualsCamera.com Manuals

3.7 Other recording functions

3.7.1 Setting the quality

Compression		Purpose
	Super Fine	Shoot higher quality images.
	Fine	Shoot normal quality images.
	Normal	Shoot for more images.

3.7.2 Setting the metering

There are 3 different light metering options available on your camera.

Icon	Mode	Description
	Center	Light is measured from the entire shooting screen, but gives more importance to the values near the center.
	Multi	Selects an exposure based on readings from multiple points in the subject area
	Spot	Selects an exposure based on a single reading taken from the center of your picture.

3.7.3 Setting the white balance

Adjust the white balance to match different light sources such as sunlight, incandescent (tungsten) lighting or, fluorescent lighting.

Icon	Mode	Description
	Auto	Automatically corrects white balance. Ideal for general photography.
	Daylight	Adjusts for bright sun conditions, or natural light conditions.
	Cloudy	Adjusts for cloudy days or twilight conditions.
	Tungsten	Adjusts for normal indoor lighting conditions. Corrects the orange hue of household light bulbs. Ideal for indoor photos under tungsten or halogen lighting without a flash.
	Fluor_H Fluor_L	Adjusts for fluorescent lighting. Corrects the green hue of fluorescent lighting. Ideal for indoor photos under fluorescent lighting without a flash.

Downloaded from ManualsCamera.com Manuals

Icon	Mode	Description
	SH1 (Custom)	For more accurate adjustment or when the light source cannot be specified. When this option is highlighted, press the shutter button to enter the **[Custom WB]** mode. Then, point the camera at something white (for example, white paper) as the reference white color. Next, press **OK** to confirm the custom setting.

3.7.4 Setting the ISO

With the initial settings, the ISO sensitivity is automatically set according to the brightness of the subject.

☞ **• A higher ISO value increases the image noise. To take clean images, use an ISO value as low as possible.**

3.7.5 Setting the Exposure

Set the exposure value manually to compensate for unusual lighting conditions such as indirect indoor lighting, dark backgrounds, and strong backlighting.

3.7.6 Setting the AEB

Sets the auto exposure bracketing (AEB) to shoot 3 continuous images, each with a different exposure setting: correctly exposed, underexposed, and overexposed.

3.7.7 Setting the highlight

Make the subject stand out from its surroundings. The subject will be in focus in three different ranges: / / .

3.7.8 Setting the sharpness

You can select whether you want the image to have sharp or soft outlines.

Icon	Mode	Description
H	Hard	The edges of the image are emphasized. The edges will become sharp, but noise may occur in the recording image.
	Normal	The edges of the image are sharp. This is suitable for printing.
L	Soft	The edges of the image are softened. This is suitable for editing images on PC.

3.7.9 Setting the photo effect

You can add special effects to your images in REC or PLAY mode.

Icon	Description
Normal	No effect is added to the image.
B&W	Convert image to black & white.
Sepia	Recorded image will be stored in a sepia tone.
Negative	Opposite what they were in the original image.
Red	The image becomes reddish.
Green	The image becomes greenish.

Downloaded from ManualsCamera.com Manuals

Icon	Description
Blue	The image becomes bluish.

3.7.10 Setting the date stamp

The Date Stamp function can be used to add a date to your pictures as you take them.

3.7.11 Setting Stabilizer

Located beside the Shutter button, the Stabilizer uses a higher ISO value to avoid image blur caused by hand shake and/or subject movement.

• If the result is still blur in a low-light environment, please also select the Shake-Free scene mode to improve the result.
• The higher the ISO value, the grainer you might see in the image.

3.7.12 Setting Face tracking

Focuses on the people in your composition by automatically detecting and tracking human faces.

1. Turn the power on, and then press MENU.
2. Locate the Face Tracking mode and turn it on.
3. Point the camera to where the people (your subjects) are located. Focus frames of Face Tracking will automatically detect faces (maximum 9) and show on the LCD screen.
4. Press the shutter to capture the image.

• Due to environmental factors such as lighting, the number of detected faces might be different from that of the actual faces.
• To achieve the best result, ask your subjects not to turn their faces partially away from the lens.

3.7.13 Setting Photo Frame

You can add 10 kinds of frames to still images, making them more interesting.

3.7.14 Setting AF lamp

The AF Lamp function allows you to record images in low light conditions.

Option	Description
Off	Disables the AF lamp while recording images.
On	Turns on the AF lamp while pressing the shutter button down halfway.

3.7.15 Setting Av/Tv/M

Pressing the Tv/Av/M button

toggles among Aperture priority, Shutter priority, and Manual when determining the exposure value.

- Aperture priority: You can choose an aperture value, while the shutter speed is automatically determined by the lighting condition of the subject. Aperture priority is often used when shooting static subjects or emphasizing the depth of field. In general, use a smaller aperture if a greater depth of field is needed.
- Shutter priority: You can choose a shutter speed, while the aperture value is automatically determined by the lighting condition of the subject. Shutter priority is often used when shooting moving subjects. In general, use a shorter shutter speed to catch a fast-moving object.
- Manual: You can set both the shutter speed and the aperture value.

Downloaded from ManualsCamera.com Manuals

3.8 Playback

3.8.1 Playing back images

1. Turn the power on, and set the camera to the PLAY mode.
   - The latest recorded image appears on the LCD monitor.
   - If there are no images stored, a message **[No image]** appears.
2. Press the four-way control.
   - [◀] displays the previous image.
   - [▶] displays the next image.

☞ **• Holding down [◀] or [▶] scrolls images in a high speed.**

3.8.2 Playing back movie clips

1. Turn the power on, and set the camera to the PLAY mode.
2. Press [◀] or [▶] to select a movie clip that you want to playback.
3. Start playing back.
   - Press [▲] to start playing the movie clip.
   - Press [▼] to stop the movie clip, or press [▲] to pause it. When the movie paused, press [▲] again to resume.

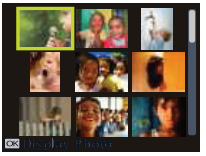
☞ **• During movie playing back, press [▶] to fast forward or press [◀] to rewind it.**
• Press the shutter to capture the still image from the movie clip while it had paused.

3.8.3 Magnifying & trimming still images

1. Turn the power on, and set the camera to the PLAY mode.
2. Select an image.
   - Press [◀] or [▶] to select the image that you want to magnify or trimming.
   - Only still images can be magnified and trimmed.
3. Magnify the image.
   - Press **[T]** to magnify the image, and the central portion of the image is displayed. You can use the arrow button to view different parts of the magnified image.
   - Press the **MENU** button to return to the normal size.
4. Trim the image.
   - Press the **OK** button to set the image trimming.
5. Save the image.
   - Press the **OK** button again to trim the selected image and save it as a new one.

3.8.4 Viewing in thumbnail

1. Turn the power on, and set the camera to the PLAY mode.
2. Press the zoom button **[W]**, a thumbnail screen is displayed.
3. Use the four-way control to select the desired image, and press **[T]** or the **OK** button to show the selected image in full screen.



Downloaded from ManualsCamera.com Manuals

3.8.5 Playing a slide show

1. Turn the power on, and set the camera to the PLAY mode.
2. Enter the slide show.
   - Press the **MENU** button and use the [▲] / [▼] to select Slide Show and press [▶] or the **OK** button.
3. Change the slide show settings.
   - Use the four-way control to set the slideshow interval, music, transition and repeat.
   - You can set the interval between 1~10 seconds.
4. Playing the slide show.
   - Press the **OK** button to start the slideshow.
   - During the slide show, press the **OK** button to pause the slideshow and press the **OK** button again to resume.

3.8.6 Deleting a single file or all files

1. Turn the power on, and set the camera to the PLAY mode.
2. Press [◀] or [▶] to select the image you want to delete.
3. Open the menu.
   - Press the **MENU** button, then use the [◀] / [▶] to select PLAY mode.
   - Press the [▲] / [▼] to select Delete and press the [▶]or OK button.
4. Press [▲] or [▼] to select **[Single]**, and press the [▶]or **OK** button.
   - To delete all images, select **[All]** and press the [▶]or **OK** button.
5. Select **[Yes]** and press **OK** button to delete the image.

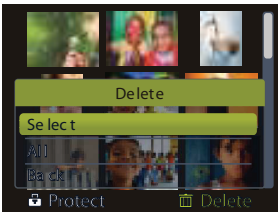
• To quickly delete the current display image:

1. Select the image you want to delete.
2. Press the **Delete** button to show a confirmation.
3. Press the **OK** button to delete the current display image.

• Protected images cannot be deleted with this function.

3.8.7 Deleting multiple files

1. Turn the power on, and set the camera to the thumbnail screen.
2. Open the menu.
   - Press the **MENU** button, then press [◀] or [▶] to select to select **Delete** and press the **OK** button.
3. Press [▲] or [▼] to select **[Select]**, and then press the **OK** button.
   - The frame of the selected image turns green.
4. Select multiple images.
   - Use the four-way control to select the image.



Downloaded from ManualsCamera.com Manuals

- Press the **OK** button toggles the on and off. Repeat this step until all images that you want to delete are displayed with an icon .

5. Delete images.
   - Press the **MENU** button, then select **[Yes]** and press the **OK** button. All selected images will be deleted.
   - To cancel delete, press the **MENU** button in this step.

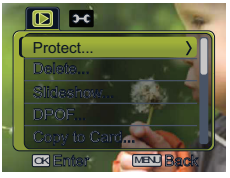
3.8.8 Setting the DPOF for printing

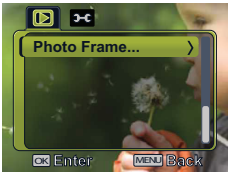
The Digital Print Order Format (DPOF) setting allows you to select images on the memory card for printing and specify the number of print copies in advance using the camera. This is extremely convenient for sending the images to a photo developing service or for printing on a direct print function compatible printer.

1. Turn the power on, and set the camera to the PLAY mode.
2. Open the menu.
   - Press the **MENU** button, then use the [◀] / [▶] to select PLAY mode.
   - Press the [▲] / [▼] to select DPOF and press the [▶] or **OK** button.
3. Press [▲] or [▼] to select **[Single]**, then press the **OK** button.
   - To set the DPOF setting for all images in a time, select **[All]** in this step.
   - To reset all DPOF settings to initial default, select **[Reset]** in this step.
4. Press [◀] or [▶] to select the image you want to print out, then press the **OK** button.
5. Set the number of copies.
   - Press [◀] or [▶] to specify the number of copies.
   - The number of copies can be set from 0 to 30.
   - To cancel this image DPOF setting, set the number of copies to 0.
6. Print the date stamp out.
   - Press [▼] and then press [◀] or [▶] to set or cancel the date stamp of current image.
   - Repeat step 4~6 to other images for printing.
7. Press [▼] to select [**Back**], and then press **OK**.
8. After you finished all image settings, select [**No**] under [**Select this photo?**]. Next, press the **OK** and **Menu** buttons to complete the DPOF settings.

3.8.9 Other playback functions

You can also protect (lock) images from being deleted, edit images, copy files, or enter setup for more options. To do so, press the **MENU** button in the PLAY mode, and select a function.





Downloaded from ManualsCamera.com Manuals

4 PC Dependent Features

4.1 Bundled software

The camera is supplied with the following software. To install the software, refer to the information supplied with respective CDs.

ArcSoft PhotoImpression 5	Combines photo editing with creative enhancement and sharing tools that maximize your digital media experience.
ArcSoft VideoImpression 2	Creates multimedia presentations by combining photos and video clips with audio, text and scene transitions.

4.2 Transferring files to your computer

After using USB cable to establish a USB connection between the camera and your computer, you can use your computer to share captured images or recorded video clips with your family or friends via e-mail or post them on the Web. Note that before you begin, you need to check your system according to the table as shown below.

	System Requirements (Windows)
CPU	Pentium III 600 MHz processor or higher
Operating System	Windows Me / 2000 / XP / Vista
RAM	64 MB
Hard Disk Space	128 MB hard disk space
Required Devices	A CD-ROM drive An available USB port
Display	Color Monitor (800 x 600, 24-bit or higher recommended)

Downloaded from ManualsCamera.com Manuals

4.2.1 Step 1: Connect the digital camera to your computer

1. Connect the supplied USB cable to the computer USB port and turn on the camera.
2. The LCD screen turns off when the connection to the computer has been successfully completed.

4.2.2 Step 2: Download images or video clips

When the digital camera is turned on and connected to your computer, it is considered to be a disk drive, just like a floppy disk or CD. You can download (transfer) images by copying them from the "Removable Disk" to your computer hard drive.

Windows

Open the "Removable Disk" and double-click on the DCIM folder to open it to find more folders. Your images are inside these folder(s). Select the desired still images or video clips, and then choose "Copy" from the "Edit" menu. Open the destination location (folder) and choose "Paste" from the "Edit" menu. You may also drag and drop image files from the digital camera to a desired location.

☞ **• Memory card users may prefer to use a memory card reader (highly recommended).**
• Video playback application is not included with the package. Make sure that video playback application has been installed in your computer.

Downloaded from ManualsCamera.com Manuals

5 Troubleshooting

Refer to the symptoms and solutions listed below before shipping your camera for service. If the problem persists, contact your local reseller or service center.

Symptom	Cause	Solution
The camera cannot be powered up.	There is no battery or the battery is not inserted correctly.	Insert the battery correctly.
	The battery has no power.	Recharge your batteries or replace with new batteries.
The battery power is draining quickly.	The external temperature is extremely low.	—
	Many shots are being captured in dark places, requiring a flash.	—
	The battery was not fully charged. The battery has not been used for an extended period of time after being charged.	Fully charge the battery and discharge it for at least one complete cycle before use.
The battery or camera is warm.	The camera or flash was used continuously over a long period of time.	—
The flash does not fire. The flash does not recharge.	The camera flash is turned off.	Set the flash to Auto Flash.
	The light source is sufficient.	—
	The flash is not available in some modes.	—
Even though the flash fired, the image is dark.	The distance to the subject is greater than the flash's effective range.	Get closer to the subject and shoot.
The image is too bright or too dark.	The exposure is excessive or inadequate.	Reset exposure compensation.
I cannot format a memory card.	The memory card is write-protected.	Remove the write protection.
	End of the memory card life.	Insert a new memory card.

Downloaded from ManualsCamera.com Manuals

Symptom	Cause	Solution
I cannot download images.	The free space on the hard disk of your computer is insufficient.	Ensure that the hard disk has enough space for running Windows and that the drive for loading image files has free space equal to or greater than the memory card in the camera.
	There is no power being supplied to the camera.	Recharge your batteries or replace with new batteries if necessary.
The camera does not shoot even when pressing the shutter button.	The battery is running low.	Recharge your batteries or replace with new batteries.
	The camera is not in Shooting Mode.	Switch to Shooting Mode.
	The shutter button was not pressed all the way down.	Press the shutter button all the way down.
	The internal memory or memory card does not have any free space.	Load a new card or delete unwanted files.
	The flash is recharging.	Wait until the flash mode icon, indicated on the screen, stops flashing.
	The camera does not recognize the memory card.	Format the memory card before the initial use or before using with another camera.
Colors of the images taken are not shown properly.	White Balance was not set properly when these images were taken.	Select a suitable White Balance setting before taking each picture.
After connecting the camera to a computer, an error message “Device not ready” or “Camera not ready” appears.	The computer runs on Windows 98 or earlier.	—
When connecting the camera to a computer, the computer freezes.	The memory card inside the camera may not be formatted.	Format the memory card to the FAT16 format using a card reader in Windows.
A memory error occurs.	The memory card may not be formatted correctly.	Re-format the memory card to the FAT16 format using a card reader in Windows.

Downloaded from ManualsCamera.com Manuals

6 Specifications

Image Sensor	1/1.8-inch CCD
	Effective Pixels: 10.0 Mega pixels
LCD Display	3.0" LTPS TFT LCD (230K dots)
Lens	Focal Length: f = 7.4 (W)~ 22.2 (T) (35 mm film equivalent: 35.1 ~ 105.3 mm)
	f-number: f/2.8 (W) ~ f/5.1 (T)
Focusing	TTL Auto Focus
	Range: Macro: 10 cm, Normal: 50 cm ~ infinity
Shutter	Mechanical Shutter: Up to 1/2000 sec.
Flash	Modes: Auto/Red-eye reduction/Forced flash/Slow Sync/Flash off
Self-timer	2 sec. /10 sec. /10+2 sec.
Exposure	Compensation: ±2 EV (1/3 EV/step)
ISO	Auto/50/100/200/400/800/1200/1600
White Balance	Auto/Daylight/Cloudy/Tungsten/Fluorescent H/Fluorescent L/MWB
File Format	Still Image: JPEG format (EXIF 2.2), DCF Image Size: 3584 x 2688 (10M) / 3648 x 2432 (3:2) / 3584 x 2016 (16:9) / 3328 x 2496 (8M) / 2560 x 1920 (5M) / 1600 x 1200 (2M) / 640 x 480 (VGA)
	Movie Clips: AVI (Motion JPEG) format with continuous recording. Movie Size: 848 x 480 (16:9), 640 x 480, 320 x 240, 160 x 120 pixels (30fps)
Storage	Built-in memory: 6MB/SD memory card compatible
Image Play	Single image/AVI play/Thumbnails/Slideshow
Interface	Digital output: USB 2.0 high-speed compatible Audio/Video output (NTSC/PAL)
Power Source	Lithium-ion battery
Dimensions (W x H x D)	96.1 x 58 x 22 mm
Weight	Approx. 135 (w/o battery, SD memory card)

* Design and specifications are subject to change without notice.

Downloaded from ManualsCamera.com Manuals

English

7 Service Information

Technical Support

For free driver updates, product information and news releases, visit the following web site:
http://www.BenQ.com

Downloaded from ManualsCamera.com Manuals